

Figure

Extracellular Stimuli
(Mitogens, Stress Signals, etc.)

Cell Membrane

Cytoplasm

MAPKK activation

PO_4

MAPK activation

Nucleus

PO_4

PO_4

Transactivation

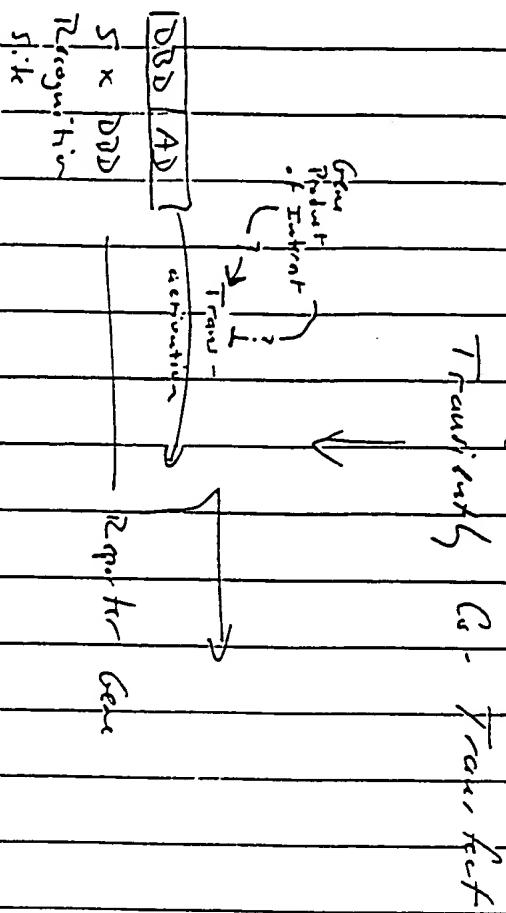
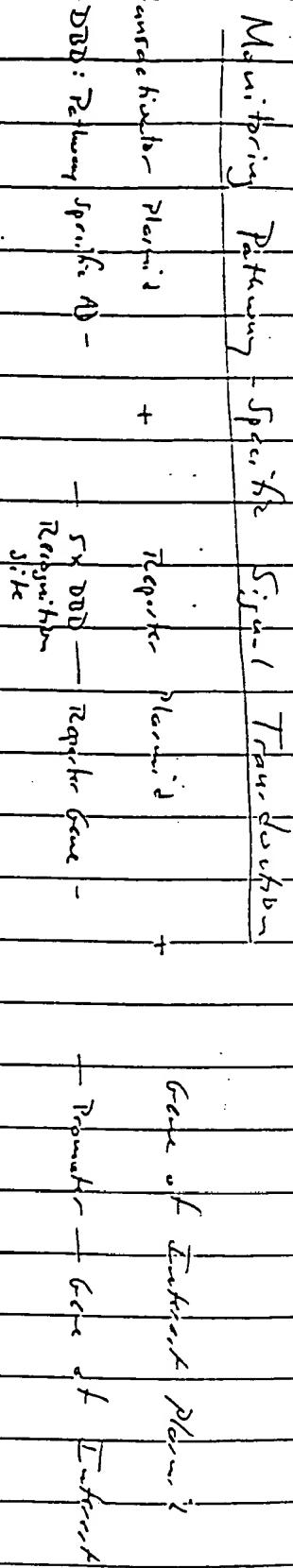
Transcription

Active Transcr. Factor

Recognition Sequence

bioRxiv preprint doi: <https://doi.org/10.1101/2023.09.11.553122>; this version posted September 11, 2023. The copyright holder for this preprint (which was not certified by peer review) is the author/funder, who has granted bioRxiv a license to display the preprint in perpetuity. It is made available under a [aCC-BY-ND 4.0 International license](https://creativecommons.org/licenses/by-nd/4.0/).

Figure 2



Common

Figure 3

Selection of Stable Reporter Cell Lines

Reporter Construct (w/ linked DBD element)

↓
Stably transfet

Screen for clones with low background
of Reporter activity and strong
response to DBD - bearing activator(s)

↓
"Stable Reporter Cell Line"

Stably transfet with fusion
transactivator plasmid

Screen for clones with strong
response to pathway-specific
upstream activator(s)

↓
"Pathway-Specific Stable Reporter Cell Line"

Figure 4

4.1.1. pFR-Luc Plasmid



Sequence of GAL4 Binding Element in the pFR-Luc Plasmid

GT CGGAGTACTGTCCCTCCG AG CGGAGTACTGTCCCTCCG
 AG CGGAGTACTGTCCCTCCG AG CGGAGTACTGTCCCTCCG
 AG CGGAGTACTGTCCCTCCG AG CGGAGACTCTAGAGGG
 TATATAATGGATCCCCGGGT AC CGAGCTCGAATTCA--
 --CAGCTTGGCATTCCGGTACTGTTGGTAATG--Luciferase

四庫全書

4.1.4. pFA-CMV Plasmid

pFA-CMV Plasmid

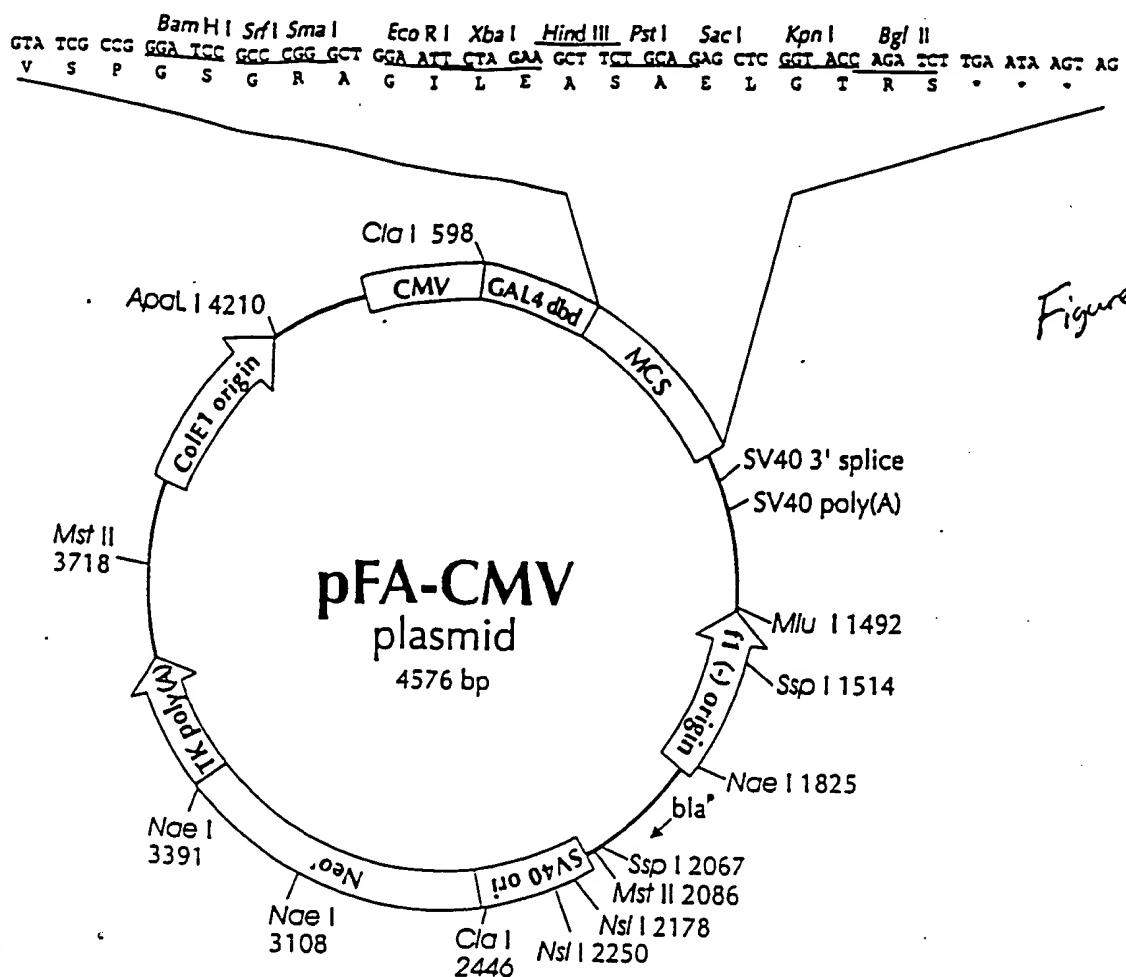
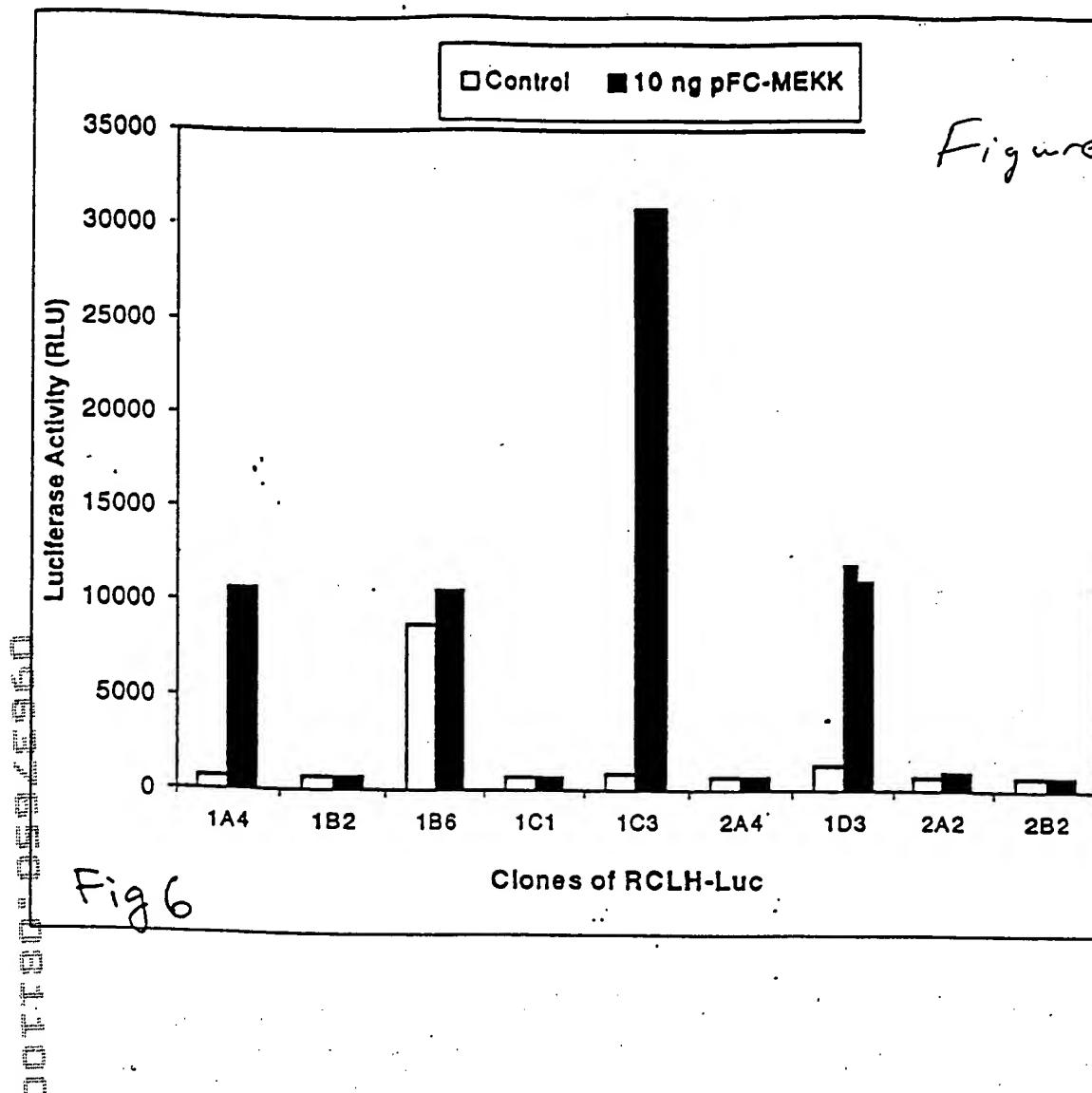


Figure 5



NOTE: Dose response

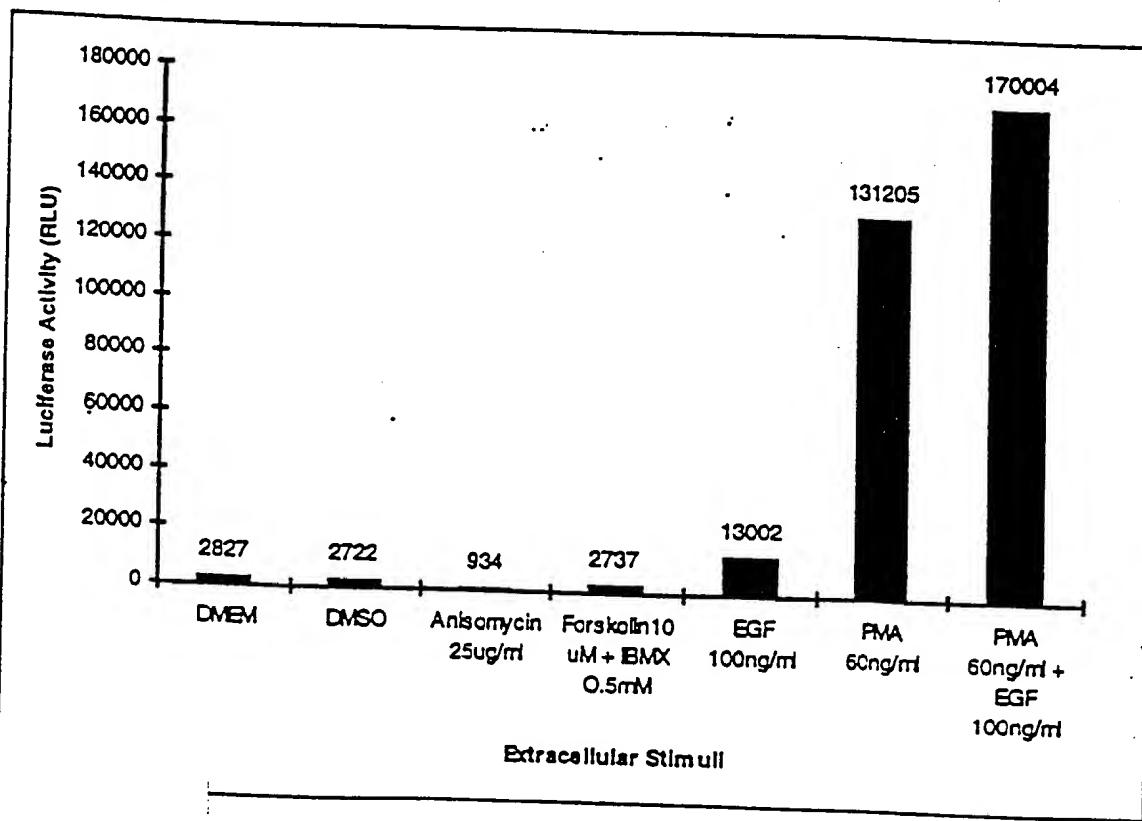
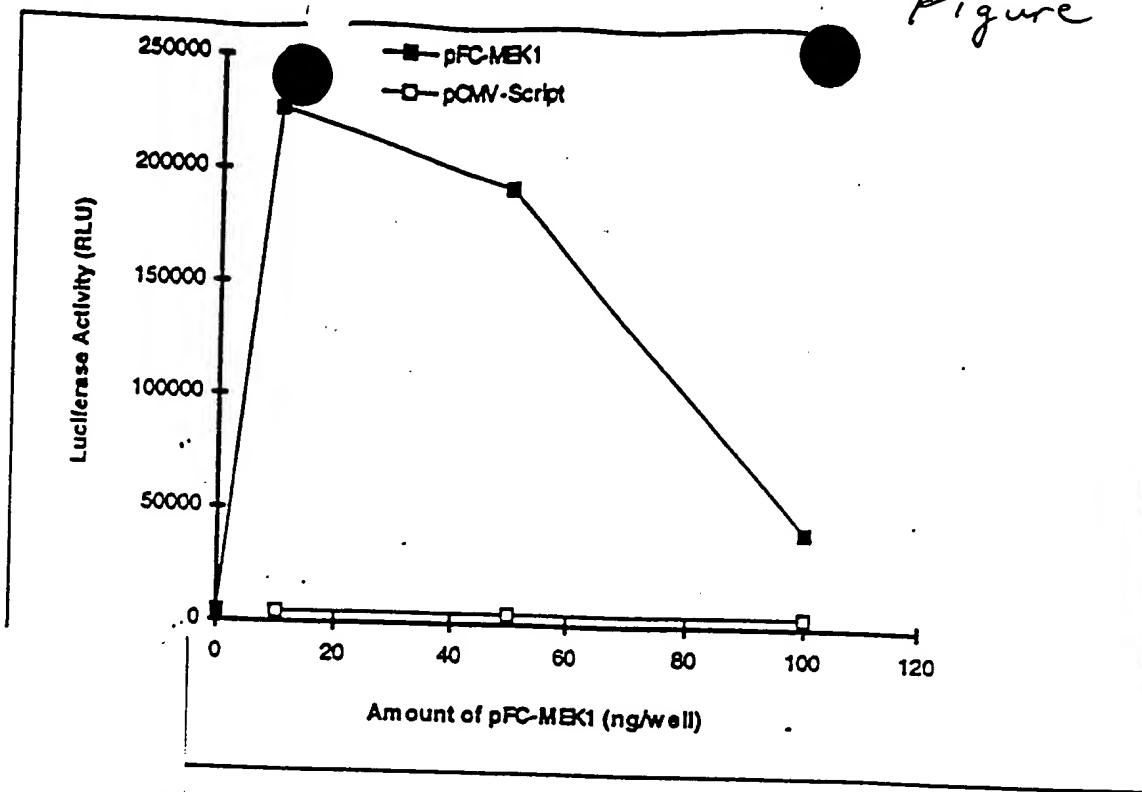
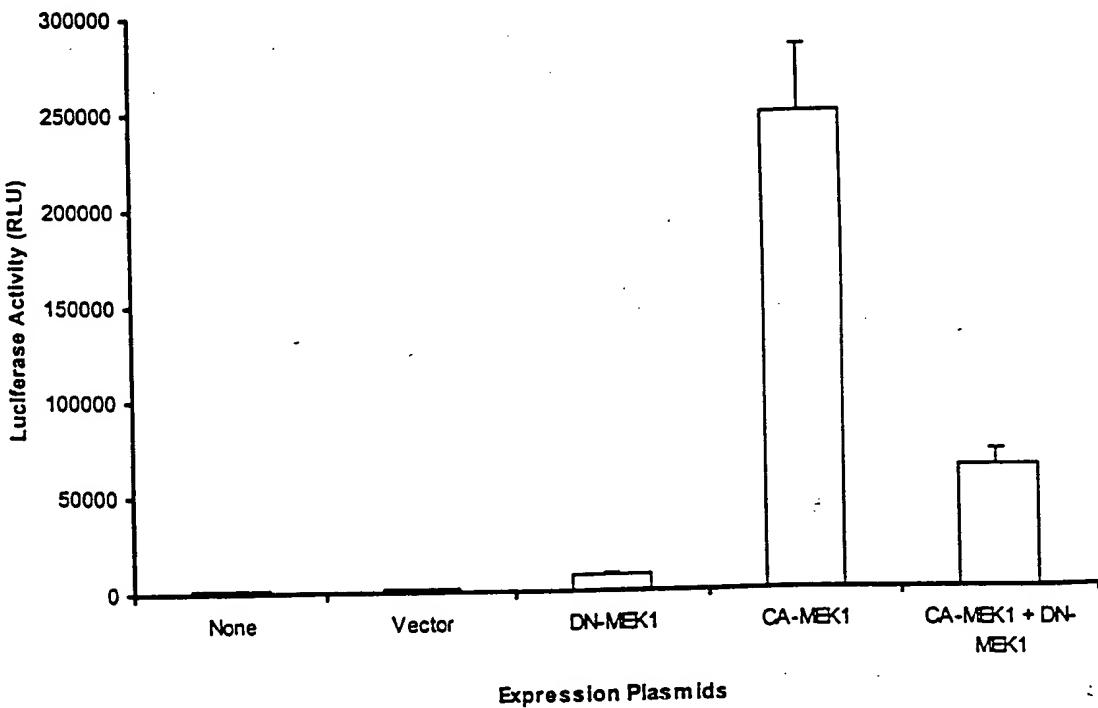


Figure 8

DO NOT FILE "DRAFT" VERSION



11/3/

Figure 9

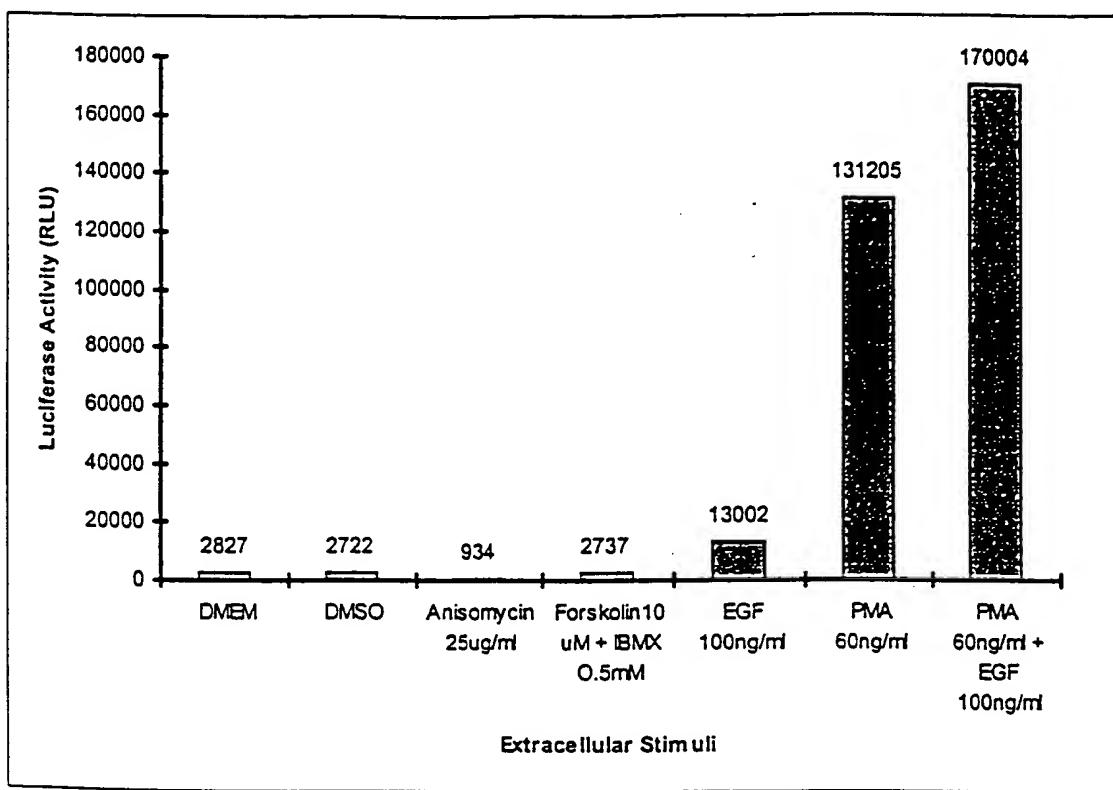


Figure 10

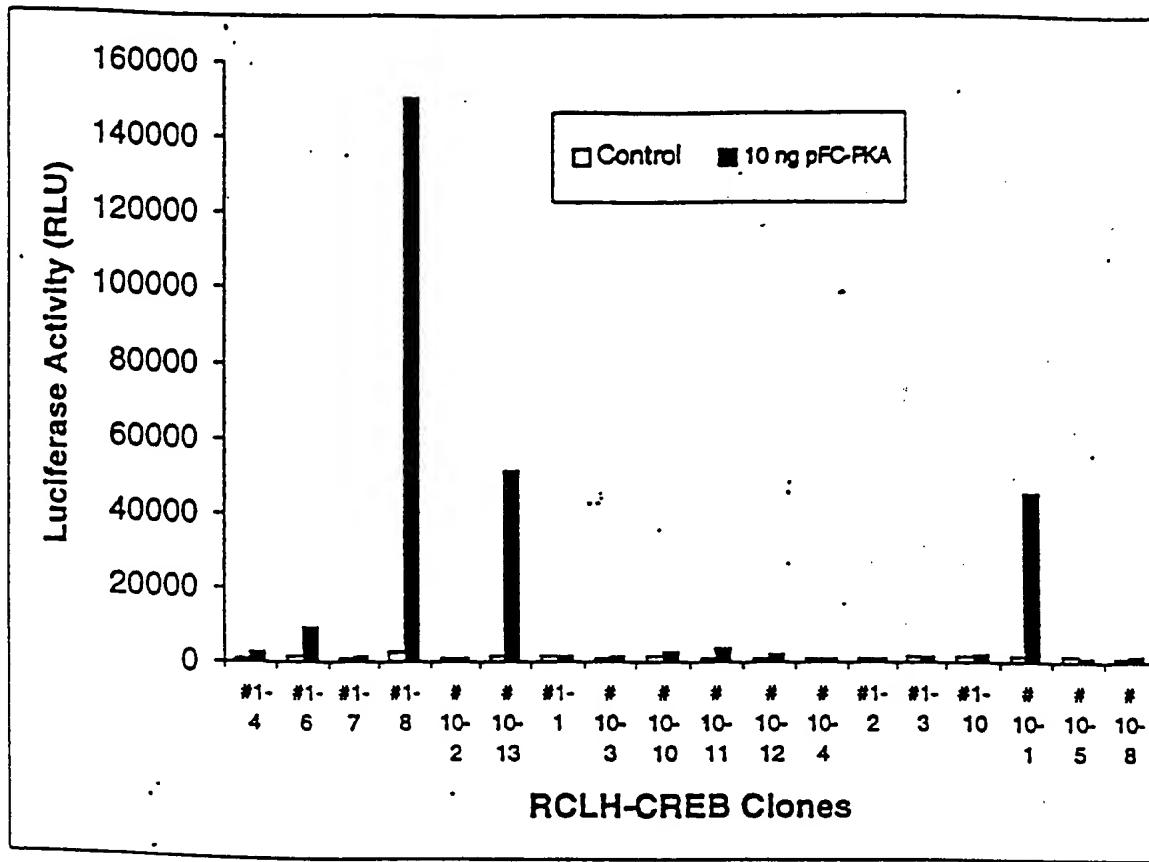
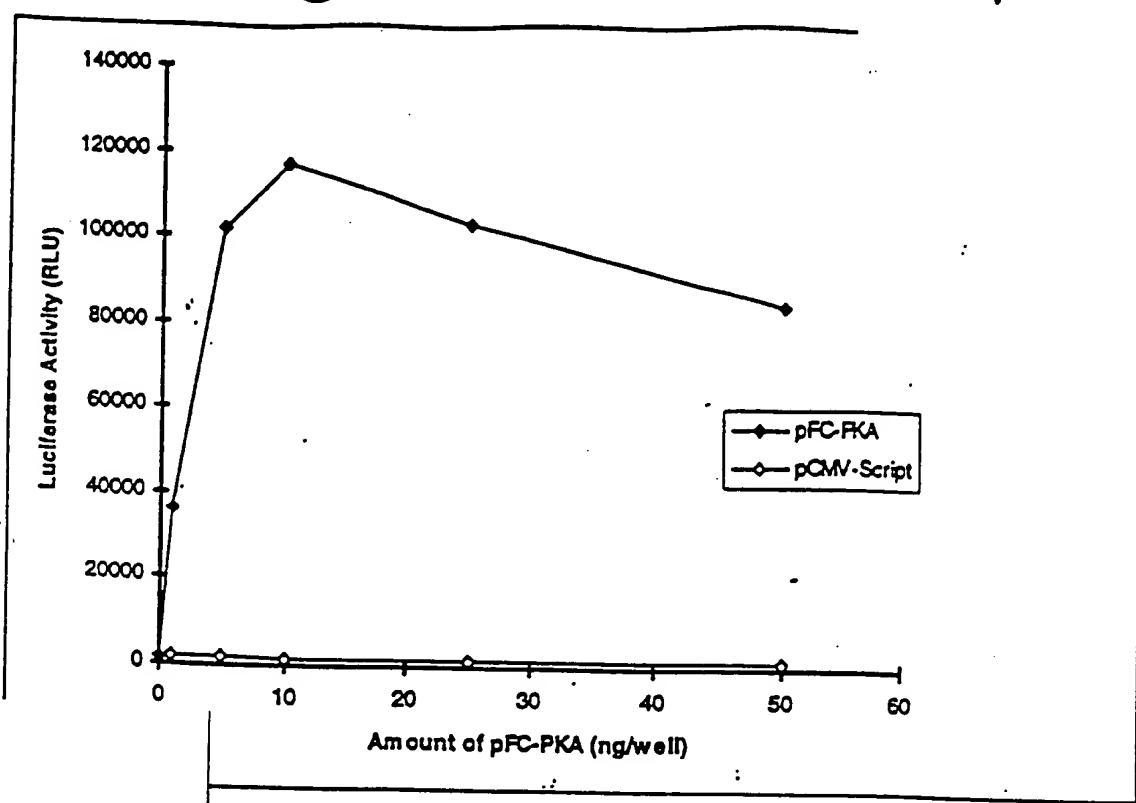


Figure 11

Figure 12



007480 "05347E360

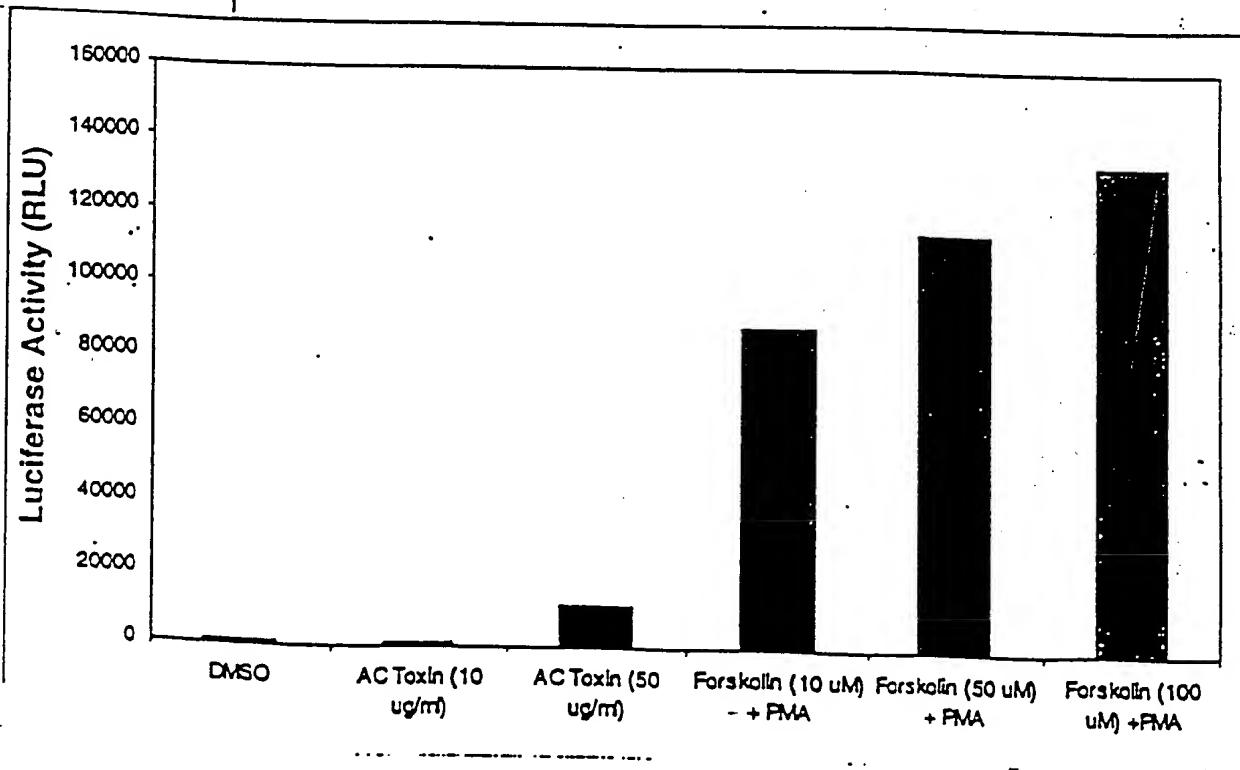


Figure 13

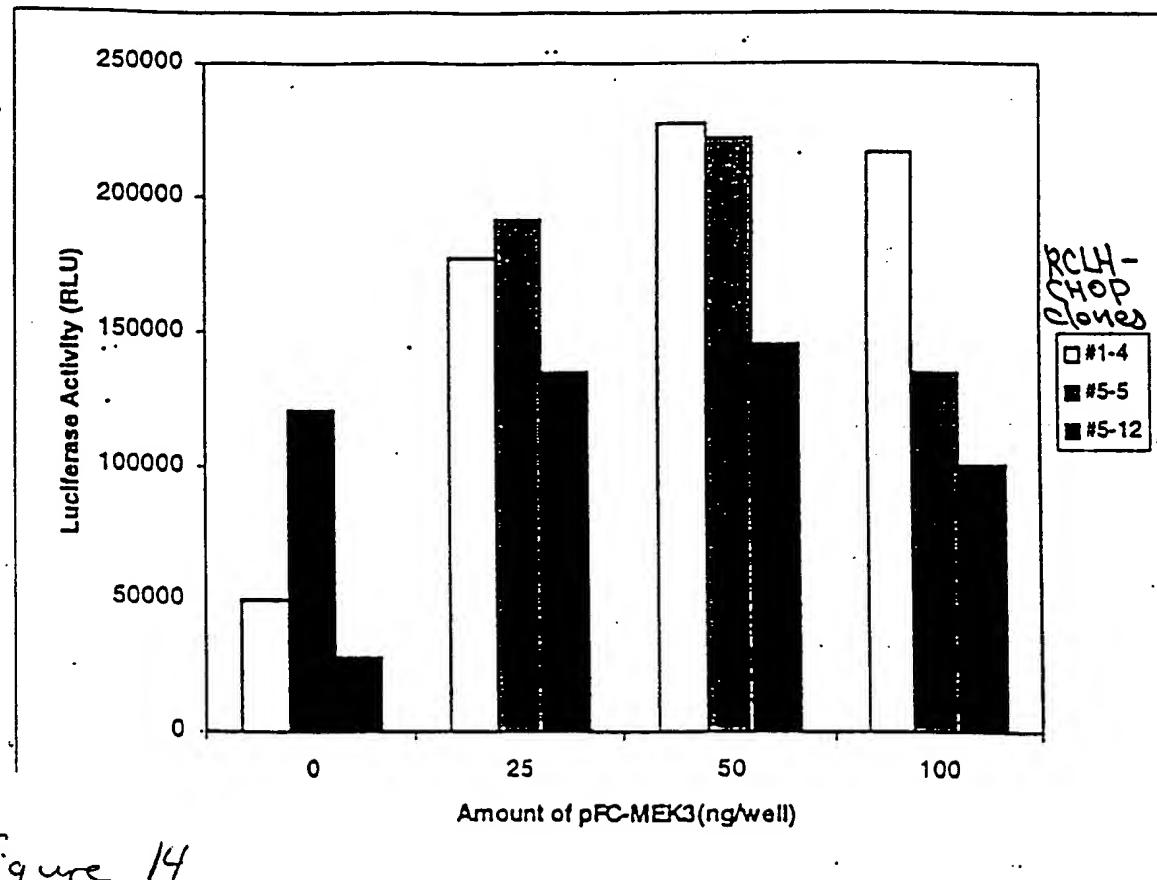


Figure 14

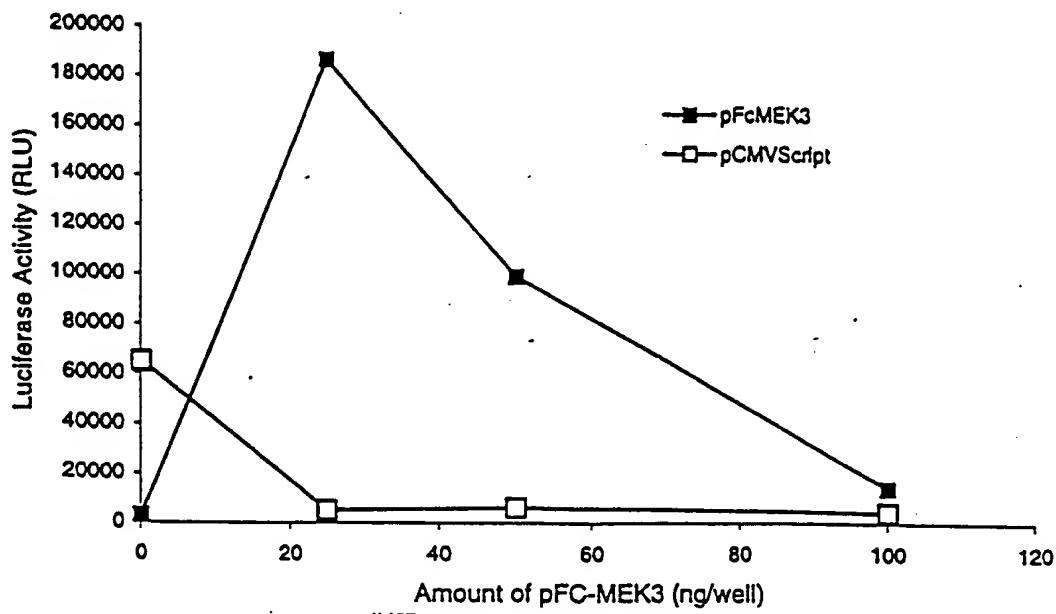


Figure 15

00017800 00022360

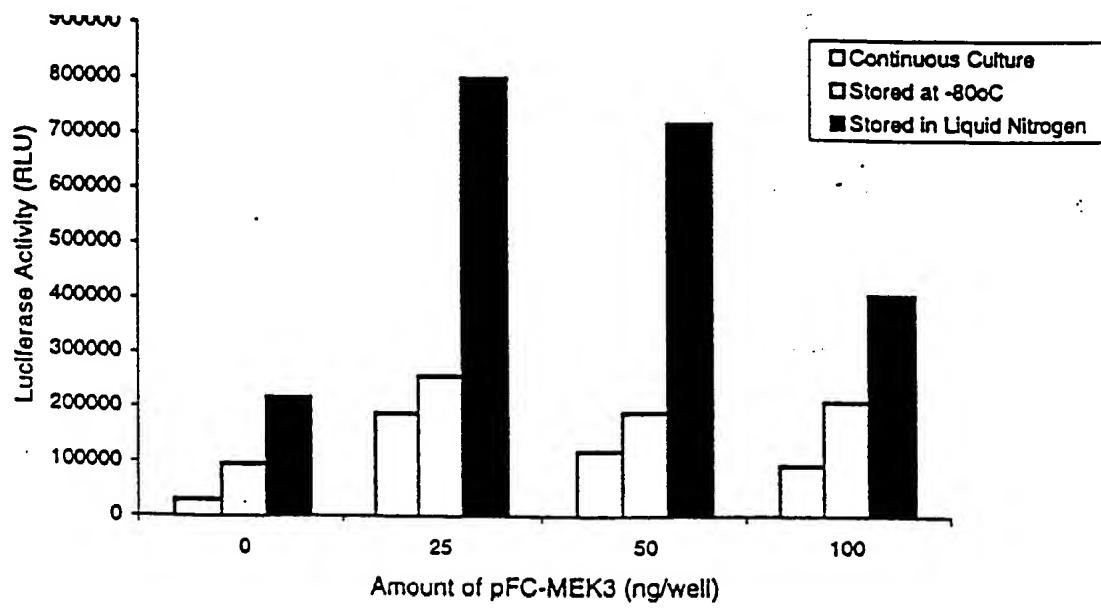


Figure 16

Figure 17

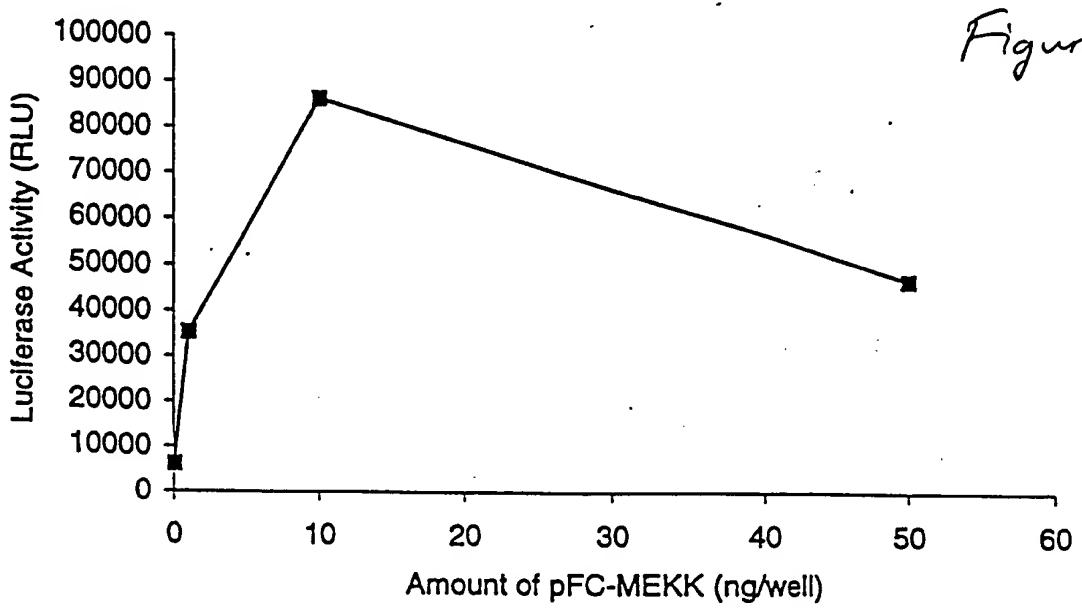


Figure 18

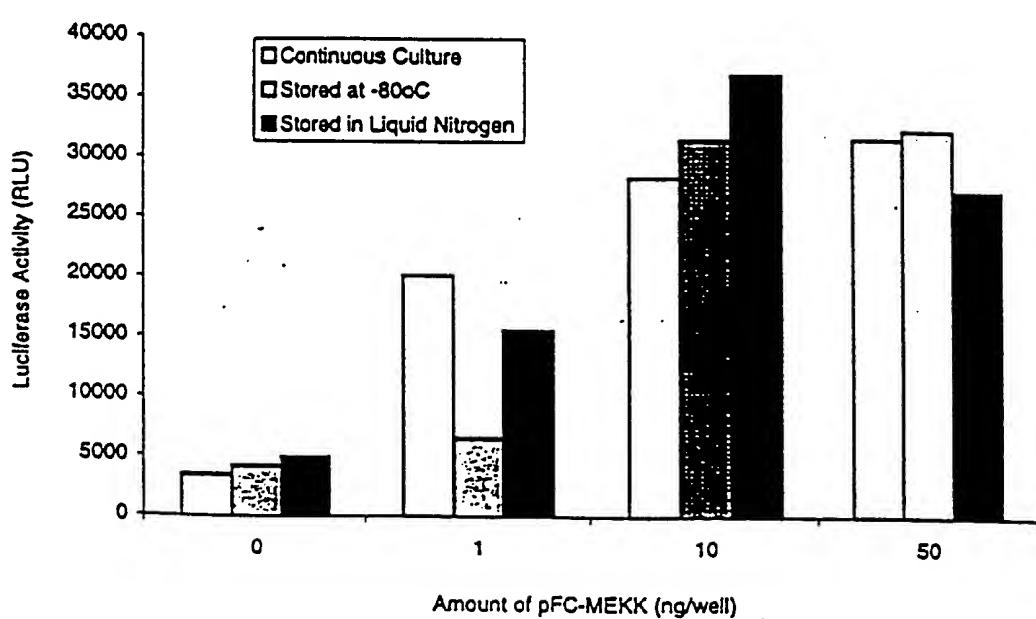
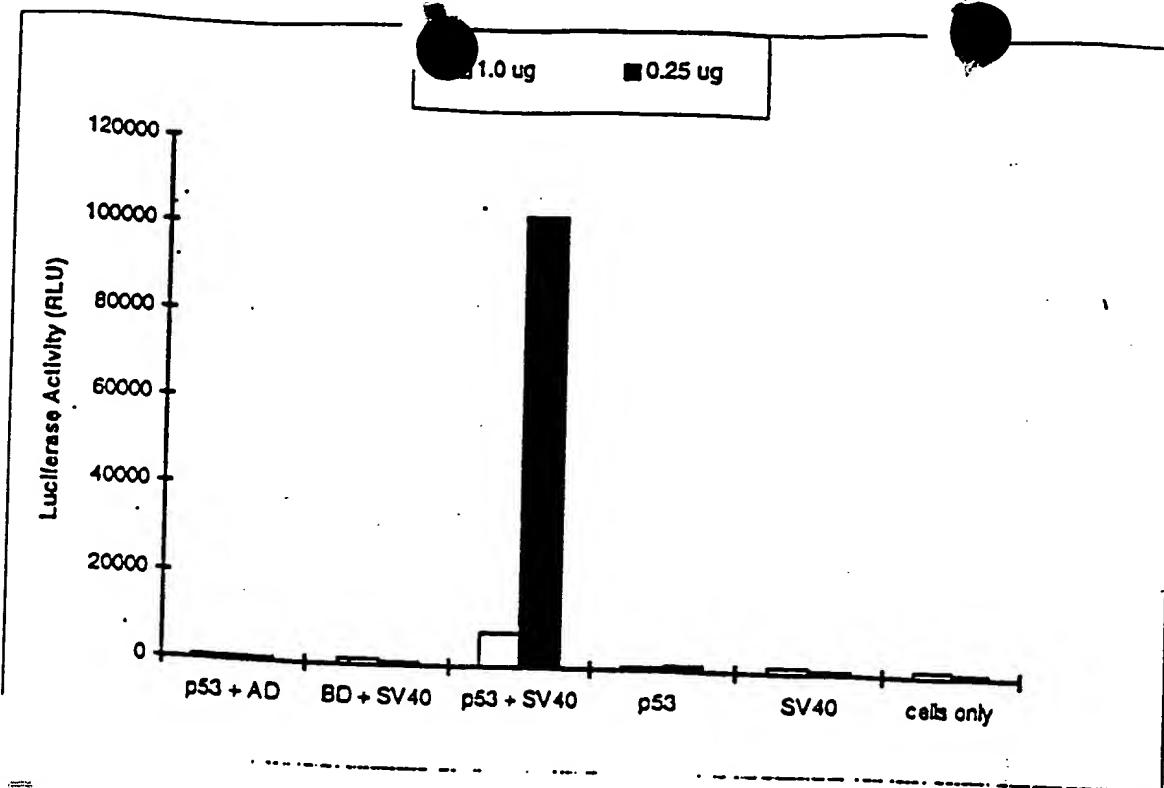


Figure 19



09632650-084100